

NMCRIS No.: 132388

## NMCRIS INVESTIGATION ABSTRACT FORM (NIAF)

<b>1. NMCRIS Activity No.:</b>  132388	<b>2a. Lead Agency:</b> US Bureau of Land Management Carlsbad Field Office	<b>2b. Other Agency(ies):</b>	<b>3. Lead Agency Report No.:</b>
<b>4. Title of Report:</b> A Class III Archaeological Survey for Memorial Resource Development Corporation's Tank Battery Release Clean-up  <b>Author(s)</b> Hill, Rebecca L. and Joshua W. Broxson			<b>5. Type of Report</b> <input checked="" type="checkbox"/> Negative <input type="checkbox"/> Positive
<b>6. Investigation Type</b> <input type="checkbox"/> Research Design <input checked="" type="checkbox"/> Archaeological Survey/Inventory <input type="checkbox"/> Architectural Survey/Inventory <input type="checkbox"/> Test Excavation <input type="checkbox"/> Excavation <input type="checkbox"/> Collections/Non-Field Study <input type="checkbox"/> Compliance Decision Based on Previous Inventory <input type="checkbox"/> Overview/Lit Review <input type="checkbox"/> Monitoring <input type="checkbox"/> Ethnographic Study <input type="checkbox"/> Site/Property Specific Visit <input type="checkbox"/> Historic Structures Report <input type="checkbox"/> Other			
<b>7. Description of Undertaking (what does the project entail?):</b> A pedestrian cultural resources survey was conducted on 24 Dec 2014 for Memorial Resource Development Corporation's Tank Battery Release Clean-up. The oil release lies in Eddy County, NM, on federal lands managed by the Bureau of Land Management Carlsbad Field Office (BLM/CFO) in Section 24 (NW¼NW¼) of T26S R29E. The released oil extends downhill from an existing battery pad north for approximately 400 ft. before turning west and continuing downhill for an additional 400 ft. The release area measures 22,602.92 sq. ft. or 0.51 acres. The clean-up area of potential effect measures 76,393.23 sq. ft. or 1.75 acres. The survey was conducted using 15 m (50 ft.) parallel transects covering the release area and 100 ft. beyond the release area. The survey extended into Section 23 of T26S R29E on federal lands managed by the BLM/CFO. The survey did not extend south of the existing tank battery or lease road. The survey area measures 233,162.73 sq. ft. or 5.35 acres. No cultural resources were recorded or updated during the survey. The clean-up is recommended for approval.			
[   ] Continuation			
<b>8. Dates of Investigation:</b> from: 24-Dec-2014   to: 24-Dec-2014		<b>9. Report Date:</b> 26-Dec-2014	
<b>10. Performing Agency/Consultant:</b> Boone Arch Services of NM, LLC  <b>Principal Investigator:</b> Rebecca L. Hill  <b>Field Supervisor:</b> Rebecca L. Hill  <b>Field Personnel Names:</b> Rebecca L. Hill Hans W. Schmid III  <b>Historian / Other:</b>			
<b>11. Performing Agency/Consultant Report No.:</b> BASNM 12-14-137			
<b>12. Applicable Cultural Resource Permit No(s):</b> BLM Permit No.: 190-2920-14-T			

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**13. Client/Customer (project proponent):**

Memorial Resource Development Corporation

**Contact:** Chris Gafford

**Address:** 400E Loop 250 N, Suite 115, Midland, TX 79705

**Phone:** 432-218-8642

**14. Client/Customer Project No.:**

**15. Land Ownership Status (must be indicated on project map):**

**Land Owner (By Agency)**

**Acres Surveyed    Acres in APE**

US Bureau of Land Management Carlsbad Field Office	5.35	1.75
<b>TOTALS</b>	5.35	1.75

**16. Records Search(es):**

Date(s) of HPD/ARMS File Review: 23 Dec 2014	Name of Reviewer(s): R. Hill	
Date(s) of Other Agency File Review: 23 Dec 2014	Name of Reviewer(s): R. Hill	Agency: BLM/ CFO

**17. Survey Data:**

**a. Source Graphics**    ☐ NAD 27    ☒ NAD 83    **Note: NAD 83 is the NMCRIS standard.**

☒ USGS 7.5' (1:24,000) topo map    ☐ Other topo map, Scale:

☒ GPS Unit    Accuracy ☒ <1.0m    ☐ 1-10m    ☐ 10-100m    ☐ >100m    ☐ Aerial Photo(s)

**Other Source Graphic(s):**

**b. USGS 7.5' Topographic Map Name**

**USGS Quad Code**

Ross Ranch, NM	32103-A8
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**c. County(ies):** EDDY

**d. Nearest City or Town:** Malaga, NM

**e. Legal Description:**

**Township (N/S)**

**Range (E/W)**

**Section**

26S	29E	24
26S	29E	23

**Projected legal description?**    ☐ Yes    ☒ No    ☐ Unplatted

**f. Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.):**

☐ Continuation

**18. Survey Field Methods:**

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Intensity: ☒ 100% coverage ☐ <100% coverage  
Configuration: ☒ block survey units ☐ linear survey units (l x w):

☐ other survey units (specify):

Scope: ☒ non-selective (all sites/properties recorded) ☐ selective/thematic (selected sites/properties recorded)

Coverage Method: ☒ systematic pedestrian coverage

☐ other method (describe):

Survey Interval (m): 15 Crew Size: 2 Fieldwork Dates: from: 24-Dec-2014 to: 24-Dec-2014

Survey Person Hours: 3.00 Recording Person Hours: 0.00 Total Hours: 3.00

**Additional Narrative:**

The release area lies within ¼ mile of one previously recorded archaeological site: LA 128879. The release is at a distance sufficient to avoid impacting this site. For a detailed description of the site, see Table 1 on page 5.

[ ] Continuation

**19. Environmental Setting (NRCS soil designation; vegetative community; elevation; etc.):**

According to the Natural Resources Conservation Service' online database, the release area soils consist of Pajarito-Dune land complex. Pajarito soils are designated as "loamy" and typically support black grama, dropseed, and bluestem grasslands with an even distribution of shinnery oak and sand sage. The current vegetative community consists of mesquite, soapweed yucca, creosote, prickly pear, and desert grasses. The release area is located on a northwest facing hillslope approximately 1 mile southeast of Brushy Draw and 2.5 miles northwest of Tucker Draw. The Pecos River lies approximately 2.85 miles to the west. The elevation ranges from 2,940 ft. to 2,960 ft. above mean sea level.

[ ] Continuation

**20.a. Percent Ground Visibility: 80% b. Condition of Survey Area (grazed, bladed, undistributed, etc.):**

The survey area extends north from an existing tank battery pad and lease road. An existing well pad lies and access road lie approximately 150 ft. west of the survey area. Aside from the release itself, the survey area includes disturbance from a reclaimed well pad extending north of the existing tank battery.

[ ] Continuation

**21. CULTURAL RESOURCE FINDINGS** ☐ Yes, see next report section ☒ No, discuss why:

No cultural resources were recorded or updated during the survey. It is unclear why aboriginal peoples did not inhabit the area.

[ ] Continuation

**22. Attachments (check all appropriate boxes):**

- ☒ USGS 7.5 Topographic Map with sites, isolates, and survey area clearly drawn (required)
- ☒ Copy of NMCRIS Map Check (required)
- ☐ LA Site Forms - new sites (with sketch map & topographic map) if applicable
- ☐ LA Site Forms (update) - previously recorded & un-relocated sites (first 2 pages minimum)
- ☐ Historic Cultural Property Inventory Forms, if applicable
- ☐ List and Description of Isolates, if applicable
- ☐ List and Description of Collections, if applicable

**23. Other Attachments:**

☒ Photographs and Log

[ x ] Other Attachments  
(Describe): BLM Map

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24. I certify the information provided above is correct and accurate and meets all applicable agency standards.

Principal Investigator/Qualified Supervisor: Printed Name: Rebecca L. Hill

Signature: Rebecca Hill Date: 26 Dec 2014 Title: Principal Investigator

25. Reviewing Agency

Reviewer's Name/Date:

Accepted [ ]

Rejected [ ]

26. SHPO

Reviewer's Name/Date:

HPD Log #:

Date sent to ARMS:

### CULTURAL RESOURCE FINDINGS

*[fill in appropriate section(s)]*

#### SURVEY RESULTS:

Archaeological Sites discovered and registered: 0

Archaeological Sites discovered and NOT registered: 0

Previously recorded archaeological sites revisited (site update form required): 0

Previously recorded archaeological sites not relocated (site update form required): 0

TOTAL ARCHAEOLOGICAL SITES (visited & recorded): 0

Total isolates recorded: 0

☒ Non-selective isolate recording?

HCPI properties discovered and registered: 0

HCPI properties discovered and NOT registered: 0

Previously recorded HCPI properties revisited: 0

Previously recorded HCPI properties not relocated: 0

TOTAL HCPI PROPERTIES (visited & recorded, including acequias): 0

#### MANAGEMENT SUMMARY:

No cultural resources were recorded or updated during survey for the tank battery release clean-up. The clean-up is recommended for approval. If any cultural resources are encountered during the clean-up process, work should be halted and archaeologists with BLM/CFO should be notified immediately.

[ ] Continuation

IF REPORT IS NEGATIVE, YOU ARE DONE AT THIS POINT.

#### SURVEY LA/HCPI NUMBER LOG

Sites/Properties Discovered:

LA/HCPI No. Field/Agency No.

Eligible? (Y/N/U, applicable criteria)

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Previously recorded revisited sites/HCPI properties:

LA/HCPI No.      Field/Agency No.      Eligible? (Y/N/U, applicable criteria)

MONITORING LA NUMBER LOG (site form required)

Sites Discovered (site form required):      Previously recorded sites (site update form required):

LA No.      Field/Agency No.      LA No.      Field/Agency No.

Areas outside known nearby site boundaries monitored?      [      ] Yes      [      ] No, Explain why:

TESTING & EXCAVATION LA NUMBER LOG (site form required)

Tested LA number(s)      Excavated LA number(s)

Table 1. Previously Recorded Archaeological Sites within ¼ Mile.

LA No.	Cultural/Temporal Affiliation	Eligibility
128879	Unknown Aboriginal (9500 BC – 1880 AD)	Eligible, D

Photographs.



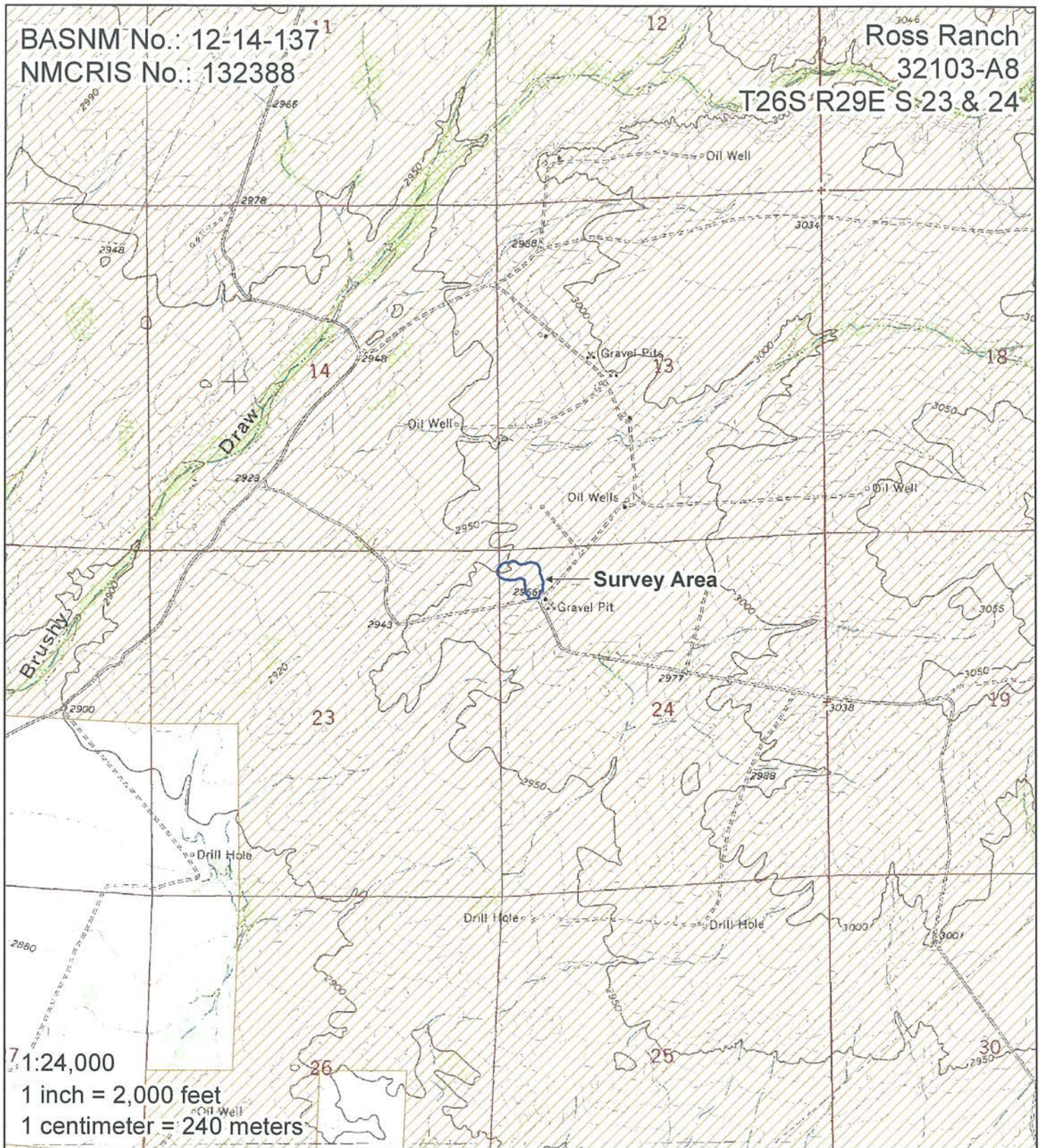
Figure 1. Oil Release.



Figure 2. Oil Release.



# Memorial Resource Development Corporation Tank Battery Release Clean-up



## Legend

- |             |                |     |                     |               |                        |
|-------------|----------------|-----|---------------------|---------------|------------------------|
| Survey Area | BLM            | DOE | BOI                 | Private       | NM State Game and Fish |
| BOR         | Forest Service | NPS | NM State Trust Land | NM State Park |                        |

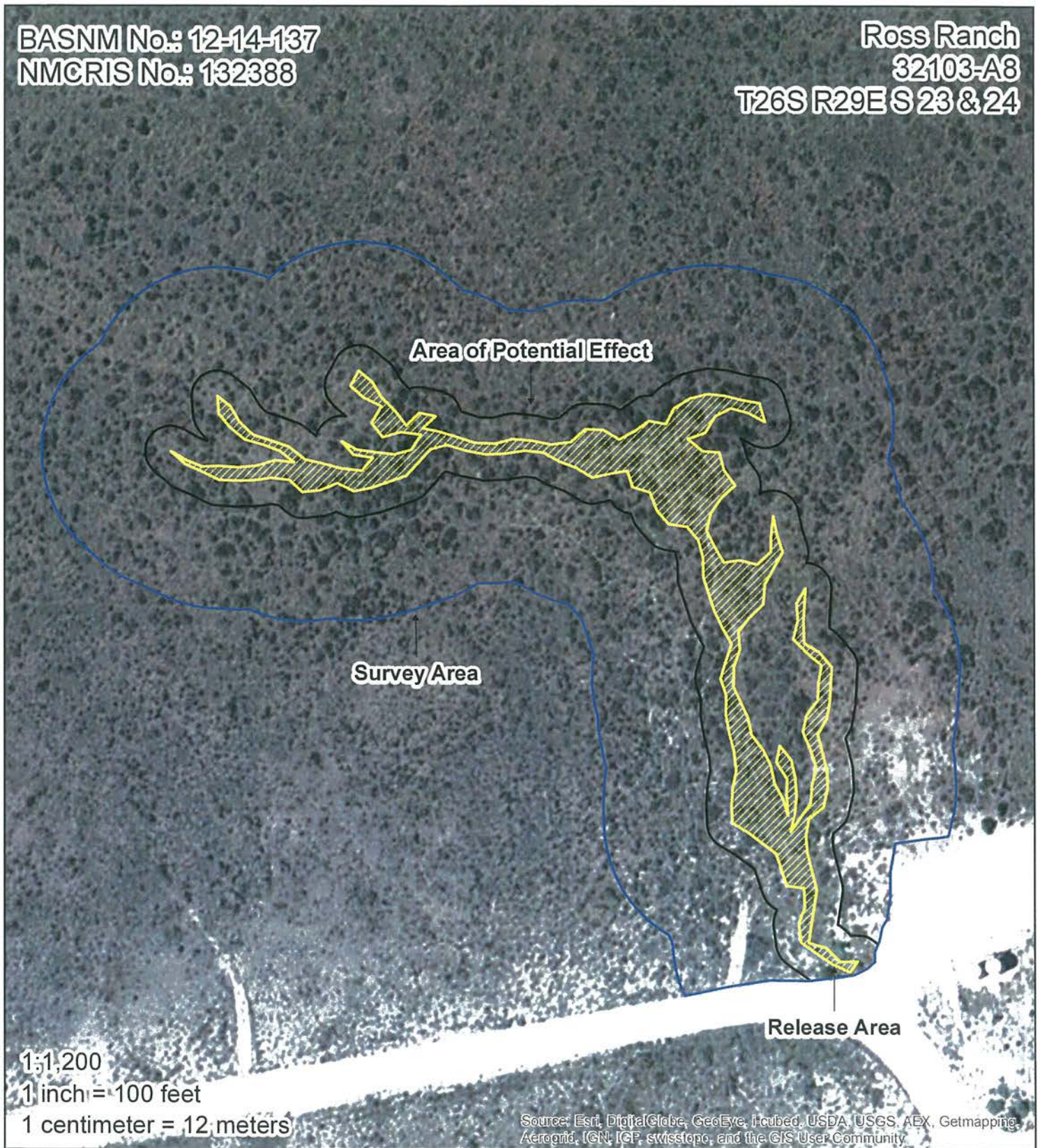




Memorial Resource Development Corporation  
Tank Battery Release Clean-up

BASNM No.: 12-14-137  
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Ross Ranch  
32103-A8  
T26S R29E S 23 & 24



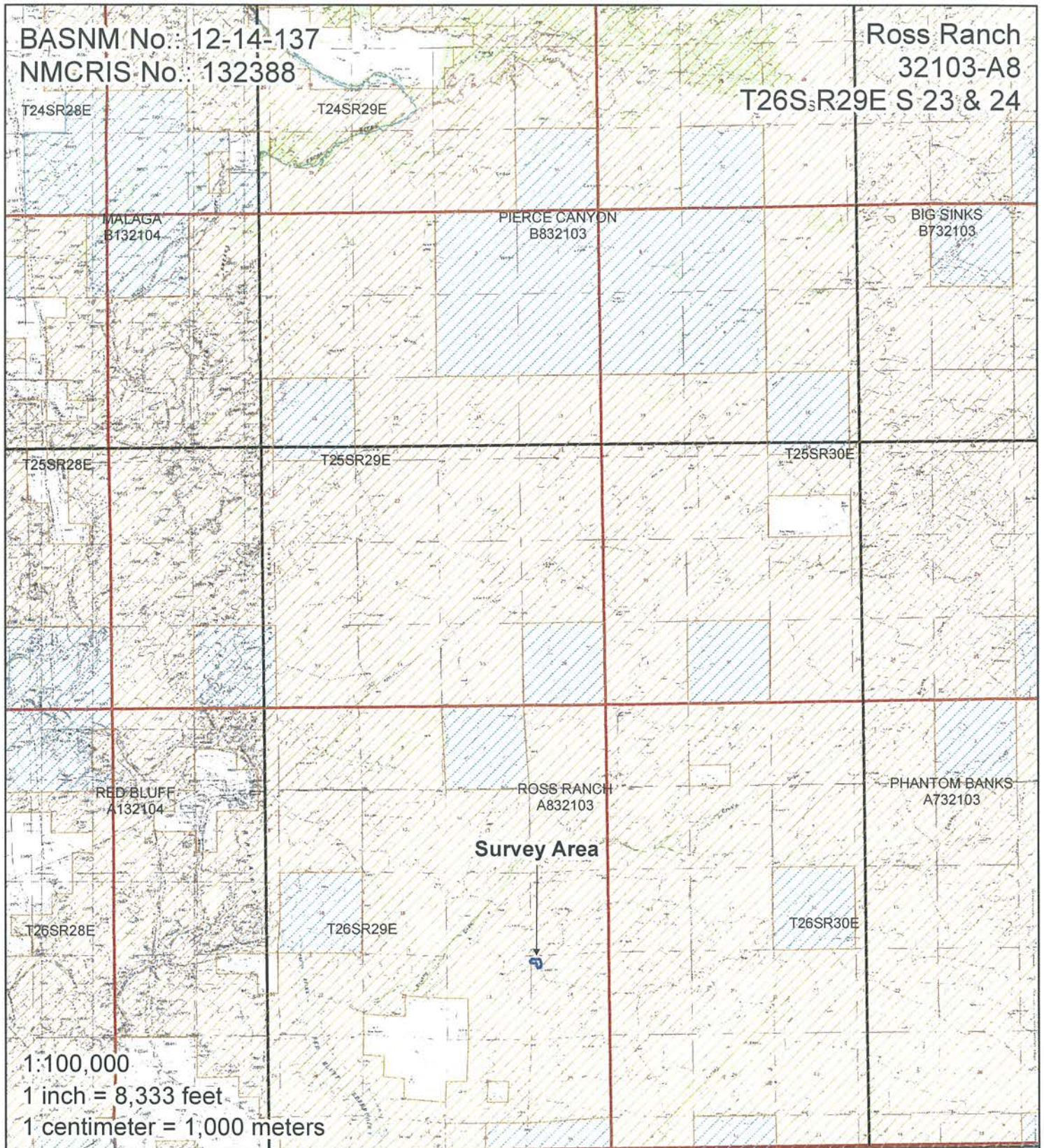
**Legend**

■ Survey Area ■ Area of Potential Effect ■ Release Area ■ Archaeological Site





# Memorial Resource Development Corporation Tank Battery Release Clean-up



## Legend

- |             |                |     |                     |               |                        |
|-------------|----------------|-----|---------------------|---------------|------------------------|
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| BOR         | Forest Service | NPS | NM State Trust Land | NM State Park |                        |

